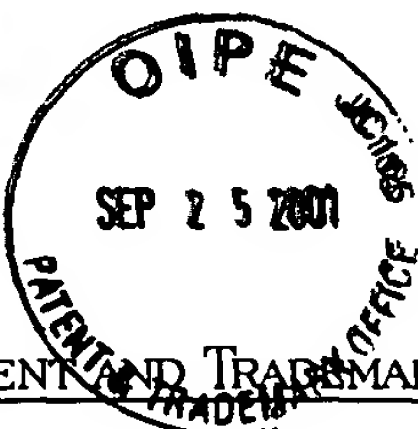




UNITED STATES PATENT AND TRADEMARK OFFICE



COMMISSIONER FOR PATENTS
UNITED STATES PATENT AND TRADEMARK OFFICE
WASHINGTON, D.C. 20231
www.uspto.gov

| APPLICATION NUMBER | FILING/RECEIPT DATE | FIRST NAMED APPLICANT | ATTORNEY DOCKET NUMBER |
|--------------------|---------------------|-----------------------|------------------------|
| 09/841,310 | 04/24/2001 | Harold J. Vinegar | 5659-03300 |

CONFIRMATION NO. 5964

FORMALITIES LETTER



OC000000006158410

DEL CHRISTENSEN
SHELL OIL COMPANY
P.O. BOX 2463
HOUSTON, TX 77252-2463

Date Mailed: 06/07/2001

NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

Filing Date Granted

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The statutory basic filing fee is missing.
Applicant must submit \$ 710 to complete the basic filing fee and/or file a small entity statement claiming such status (37 CFR 1.27).
- Total additional claim fee(s) for this application is \$110270.
 - \$96750 for 5375 total claims over 20.
 - \$13520 for 169 independent claims over 3.
- The oath or declaration is missing.
A properly signed oath or declaration in compliance with 37 CFR 1.63, identifying the application by the above Application Number and Filing Date, is required.
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(e) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.
- The balance due by applicant is \$ 111110.

12/05/2001 SSALEKU 00000007 501505 09841310

01 FC:103 36.00 CH

*A copy of this notice **MUST** be returned with the reply.*

Customer Service Center
Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

§ Examiner: Unknown

§
§ Group Art Unit: 3672

§ Atty. Docket. No.: 5659-03300/EBM

CERTIFICATE OF MAILING
37 C.F.R. § 1.8

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as First Class Mail in an envelope addressed to: Commissioner for Patents, Attn: BOX MISSING PARTS, Washington, D.C. 20231, on the date indicated below.

9-21-01 Elda Gonzalez

Date Elda Gonzalez

CERTIFICATE OF MAILING
37 C.F.R. § 1.8

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as First Class Mail in an envelope addressed to: Commissioner for Patents, Attn: BOX MISSING PARTS, Washington, D.C. 20231, on the date indicated below.

9-21-01 Elda Gonzalez

Date Elda Gonzalez

0543040307

Commissioner for Patents
Washington, D.C. 20231

Applicant encloses the following in response to the Notice to File Missing Parts of

Application - Filing Date Granted:

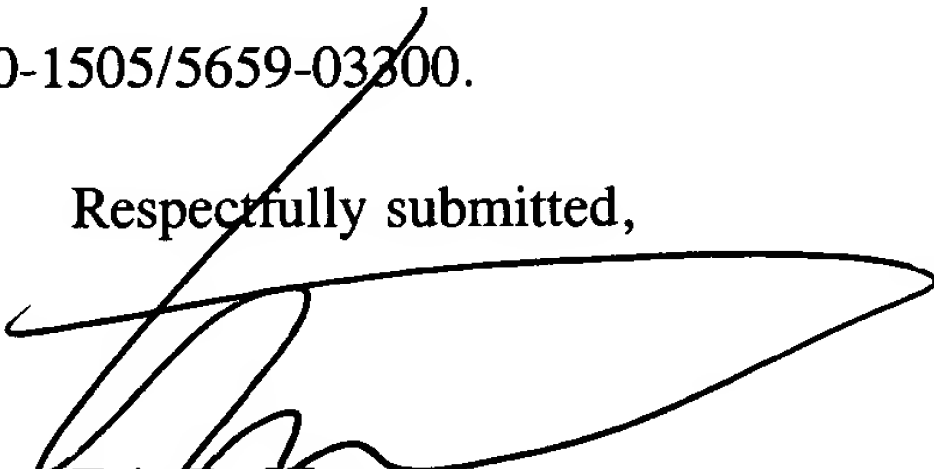
- (1) Copy of Form PTO-1533, Notice to File Missing Parts - Filing Date Granted (1 page);
- (2) Form PTO-1595 Assignment Recordation Cover Sheet (1 page);
- (3) Originally executed Assignment (3 pages);
- (4) Originally executed Declaration (4 pages);
- (5) Preliminary Amendment (51 pages);
- (6) Marked Up Version of Amendments (42 pages);
- (7) Clean Version of Title Page (1 page);

- (8) Marked Up Version of Title Page (1 page);
- (9) Fee Authorization in the amount of \$2,816.00 to cover the filing fee for a small entity as follows (2 pages):
- \$ 710.00 -- basic filing fee;
 - \$ 1,386.00 -- surcharge for excess claims;
 - \$ 160.00 -- surcharge for excess independent claims;
 - \$ 130.00 -- surcharge for late filing of declaration and fee;
 - \$ 40.00 -- assignment recordation fee;
 - \$ 390.00 -- 2 month extension of time fee; and
- (10) A return postcard.

Applicant respectfully requests a two-month extension of time to respond to the formalities letter mailed June 7, 2001. A fee authorization that includes \$390.00 for the two-month extension of time fee is enclosed.

If any extension of time is required, Applicant hereby respectfully requests the appropriate extension of time. If any fees are inadvertently omitted or if any additional fees are required or have been overpaid, please appropriately charge or credit those fees to Conley, Rose & Tayon P.C. Deposit Account Number 50-1505/5659-03300.

Respectfully submitted,


Eric B. Meyertons
Reg. No. 34,876

Attorney for Applicant

CONLEY, ROSE & TAYON, P.C.
P.O. BOX 398
AUSTIN, TX 78767-0398
(512) 476-1400 (voice)
(512) 703-1250 (facsimile)
Date: 9/21/01

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.: 09/841,310

Filed: April 24, 2001

Inventor(s):

Wellington, et al

Examiner: Unknown

Group/Art Unit: 3672

Atty. Dkt. No: 5659-03300

**Title: IN SITU THERMAL
PROCESSING OF A
HYDROCARBON
CONTAINING
FORMATION TO
PRODUCE A SELECTED
RATIO OF
COMPONENTS IN A GAS**

CERTIFICATE OF MAILING
UNDER 37 C.F.R. §1.8

DATE OF DEPOSIT:

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail on the date indicated above and is addressed to:

Commissioner for Patents
Washington, DC 20231

Elda Gonzalez

FEE AUTHORIZATION

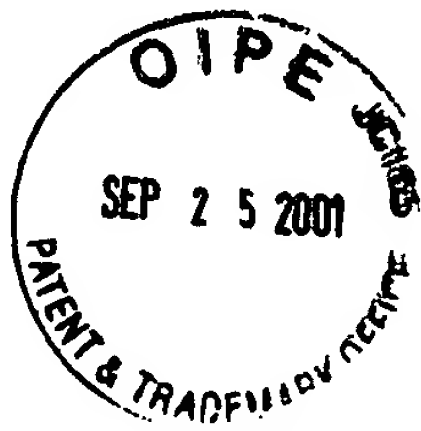
Commissioner for Patents
Washington, D.C. 20231

The Commissioner is hereby authorized to charge the following fees to Shell Oil Co.
Deposit Account Number 19-1800:

\$ 710.00 – Basic Filing Fees;
\$1,386.00 – Excess Claims Fees;
\$ 160.00 – Excess Independent Claims Fees;
\$ 130.00 – Surcharge for late filing of declaration and fee;
\$ 40.00 – Assignment Recordation Fee; and
\$ 390.00 – 2 month extension of time fee

Total Amount: \$2,816.00

Attorney Docket No.: 5659-03300



Wellington, et al.
09/841,310

The Commissioner is also authorized to charge any extension fee or other fees which may be necessary to the same account number. If the above mentioned account is found to have insufficient funds, the Commissioner is authorized to charge Conley Rose & Tayon P.C. Deposit Account Number 50-1505/5659-03300/EBM.

Respectfully submitted,

Eric B. Meyertons
Reg. No. 34,876

Attorney for Applicant

CONLEY, ROSE & TAYON, P.C.
P.O. BOX 398
AUSTIN, TX 78767-0398
(512) 703-1254 (voice)
(512) 703-1250 (facsimile)

Date: 9/21/01



PATENT
5659-03300
TH1958

| |
|--|
| <p align="center">CERTIFICATE OF EXPRESS MAIL UNDER 37 C.F.R. §1.10</p> <p>"Express Mail" mailing label number: <u>EL822013918US</u> DATE OF DEPOSIT: <u>April 24, 2001</u></p> <p>I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. §1.10 on the date indicated above and is addressed to:</p> <p align="center">Commissioner for Patents Box Patent Application Washington, DC 20231</p> <p align="center">_____ Brit Baker</p> |
|--|

**IN SITU THERMAL PROCESSING OF A HYDROCARBON CONTAINING FORMATION
TO PRODUCE A SELECTED RATIO OF COMPONENTS IN A GAS**

By:

Scott L. Wellington

Harold J. Vinegar

Etuan Zhang

Ajay M. Madgavkar



PATENT
5659-03300
TH1958

CERTIFICATE OF EXPRESS MAIL
UNDER 37 C.F.R. §1.10

"Express Mail" mailing label number: EL822013918US
DATE OF DEPOSIT: April 24, 2001

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Commissioner for Patents
Box Patent Application
Washington, DC 20231

Brit Baker

**IN SITU THERMAL PROCESSING OF A HYDROCARBON CONTAINING FORMATION
TO PRODUCE A SELECTED RATIO OF COMPONENTS IN A GAS**

By:

Scott L. Wellington

Harold J. Vinegar

~~Scott L. Wellington~~

~~Eric de Rouffignac~~

~~John M. Karanikas~~

~~Ilya E. Berchenko~~

~~George L. Stegemeier~~

~~Kevin A. Maher~~

Etuan Zhang

~~Gordon T. Shahin~~

~~James L. Menotti~~

~~John M. Coles~~

~~Thomas D. Fowler~~

~~Charlie R. Keedy~~

Ajay M. Madgavkar

~~Martijn van Hardeveld~~

~~Robert C. Ryan~~

~~Lanny Schoeling~~

~~Fred G. Carl~~